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Energy & Environment
ESAT Region 3
US EPA Environmental Science Center
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March 1, 2012

Ms. Colleen Walling
ESAT Region 3 Project Officer
U.S. EPA Region III
OASQA
701 Mapes Road
Environmental Science Center
Ft. Meade, MD 20755-5350

Dear Colleen:

Enclosed please find the weekly progress report detailing Region III ESAT activities for the period February 20 through February 26, 2012 for contract EP-W-06-016. The weekly progress report is comprised of Weekly Task Order Highlights and Task Order/Sub-Task Tables. All information compiled in the Task Order tables is cumulative for the current month. I trust this progress report meets your needs. Should you have questions or comments, please do not hesitate to call me.

Sincerely,

Ex. 4 - CBI

ESAT Region 3 Program Manager

Enclosures

Weekly Highlights (February 20 through February 26, 2012)

Management

The ESAT PM met with the ESAT PO to discuss current tasks and financial status of all task orders. All tasks are proceeding on schedule. We continue to provide the ESAT PO a weekly ad-hoc data validation status and CEAT audit back-log reports.

Task Order 0041, Analytical and Laboratory Support

TDF 02081 – Provide Sample Log-in and Other Ancillary Tasks in Support for the Dimock Residential Groundwater Site (Fast Turnaround Time Analyses), assigned 2/15/12, due 9/30/12 – ESAT was assigned the task of performing sample log-in, sample processing support, and ancillary tasks (e.g., glassware washing, reagent prep, etc.) to support the analytical tasks for this Superfund site. In addition, ESAT may be required to provide sample preparation support. ESAT will be notified if this support is needed. Glassware washing activities were performed under this TDF this week.

Task Order 0042, Data Validation and Quality Assurance Support

During the week ESAT received several TDFs for validation of data from the Dimock Residential site. These TDFs were given the highest priority by EPA and required immediate validation of data. ESAT met the required due dates for the Dimock TDFs; however, several other TDFs were pushed back and did not get completed by their scheduled due dates. The Agency was aware of the situation.

Task Order 0043, PM2.5 Performance Evaluation Program (PEP) Field Support

February 21, 2012, ESAT received BGI units (serial numbers 239 and 380) from the vendor after they completed yearly maintenance. February 22, the functionality of both units was evaluated by performing leak check, ambient pressure, both ambient and filter temperatures, as well as flow verifications. A 24-hour dry run was also performed on both units. Both units ran successfully.

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Task Order 0041

Task 1 - Analytical and Laboratory Support - Site Specific

WO#	TDF / TO	Site / Request #	Samples / Matrix	Assigned	Due	Submitted	Accepted	Status
1201017	02084	Not Responsive	3 Air, TO-15	2/16/12	P: 2/21/12 F: 2/28/12	P: 2/14/12 F: Pending		Three samples were received 1/31/12. Sample analyses have been completed and preparation of the final report is currently in progress. Originally assigned as TO 0036, TDF 01078.
1202008	02094		4 Air, TO-15	2/22/12	3/28/12	Pending		Four samples were received 2/22/12. Sample analyses are currently in progress.
1202009	TBD		3 Air, TO-15	Pending	P: 3/16/12 F: 3/23/12	P: Pending F:		Three samples were received 2/24/12. Sample analyses are currently pending.

P = Preliminary report, F = Final report

Task Orders 0036 & 0041

Analytical and Laboratory Support – Non-Site Specific

Task	Description	Activity	
2	Instrument Maintenance	All instruments were fully functional.	
3	Sample Custody	New Requests	<div>Not Responsive</div>
		Canister Deliveries	
		ESAT Sample Receipt	
		EPA Sample Receipt	
		Report Consolidation	
4	Glassware Cleaning and Lab Cleanliness	Both glassware washing units and both oven were fully functional.	
5	Reagents and Supplies	The weekly chemical inventory was completed 2/24/12 and the report was submitted to the PO.	
6	Lab Safety	None.	

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Task Orders 0036 & 0041

Analytical and Laboratory Support – Non-Site Specific

Task	Description	Activity
7	Review SOPs and Guidance Documents	ESAT is reviewing SOP R3QA051-011812, Sample Receipt, Log-In, Chain of Custody, and Disposal Procedures.
8	New Capabilities/Method Development	<p>TDF 03061, TO-15 Pilot Study – Draft/Verbal Technical Direction, Assigned 3/17/11, Various Interim Due Dates (Final Report Due 6/30/11) – As a result of the TO-15 Pilot Study Conference Call held 3/14/11, ESAT was assigned to complete the tasks listed below, which have been completed:</p> <ul style="list-style-type: none"> • Prepare a set of test bottles (1 under vacuum and 1 without vacuum) and a micro vacuum gauge with one connector for field samplers to utilize / test sample collection procedures for the Air Pilot Study by the end of the week. Sample containers shall be shipped in a shipping case. • Field Sampler will test on Friday and provide feedback / results of testing bottles. • Check with Entech to determine how existing sampling line would connect to the bottles for field sampling. • Prepare canisters (1 per location / sample station) and sample bottles (2 per station location / sample station). In addition, include a return shipping label/UPS air bill to be sent to the field samplers for sampling the first full week of April (4/4/11 thru 4/8/11) for the April sampling. Two stations were selected at the Not Responsive for the air pilot study: WSINFA and WSCARBA. <p>The analyses of air samples have been completed for the Summa canisters and amber bottles, received from the Not Responsive site under DAS# R33677. A report containing a review and comparison of the results obtained from these analyses was submitted 7/13/11. The report was returned to ESAT and we are currently awaiting a feedback form from the sampler. The return of the micro-vacuum gauge is also currently pending.</p>
9	Quality Assurance Compliance and Documentation	<p>The following documents were received by ESAT for login this week:</p> <ul style="list-style-type: none"> • Demonstration of Capability and Method Detection Limit studies (DOC-MDL-216), Method 8015D, Alcohol, (A. Molnar) • Demonstration of Capability and Method Detection Limit studies (DOC-MDL-213), Method 8082A/PCBs by CLP Equivalent, (A. Molnar) • Demonstration of Capability and Method Detection Limit studies (DOC-MDL-214), Method 8081B/Pesticides by CLP Equivalent, (A. Molnar)

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Task Order 0042, Task 1 - Review and Validate Organic Data
Level of Review: M1

TDF	Site Name	Case	Samples/ Matrix	Analysis	Assigned	Due	Submitted	Accepted	Report Sent	Status/Comment
02048	Not Responsive	42160	2 W	DRO	2/16/12	3/8/12				Not initiated
02059		42033	17 W	VOA/SV	2/15/12	2/27/12	2/23/12	2/23/12	2/24/12	Complete. Originally assigned as TO 0037, TDF 02003A.
02088		42161	1 S	DRO	2/21/12	3/1/12				Not initiated
02092		42181	20 S	Aroclors	2/21/12	3/7/12				Not initiated
02105		42181	20 S	Aroclors	2/24/12	3/13/12				Not initiated
02106		42181	20 S	Aroclors	2/24/12	3/14/12				Not initiated
02107		42181	20 S	Aroclors	2/24/12	3/15/12				Not initiated
02108		42181	16 S	Aroclors	2/24/12	3/15/12				Not initiated
02109		42181	20 S	Aroclors	2/24/12	3/15/12				Not initiated
02110		42181	20 S	Aroclors	2/24/12	3/16/12				Not initiated
02111		42181	20 S	Aroclors	2/24/12	3/16/12				Not initiated

Task Order 0042, Task 1 - Review and Validate Organic Data
Level of Review: M2

TDF	Site Name	Case	Samples Matrix	Analysis	Assigned	Due	Submitted	Accepted	Report Sent	Status/Comment
02041	Not Responsive	42106	14 W	VOA	2/15/12	3/8/12				Not initiated
02050		41967	2 W	TVOA	2/15/12	2/17/12	2/17/12	2/17/12	2/21/12	Complete. Originally assigned as TO 0037, TDF 01069.
02051		41824	4 W	VOA/SV	2/15/12	2/21/12	2/21/12	2/21/12	2/22/12	Complete. Originally assigned as TO 0037, TDF 01070.
02053		R33855	13 Air	TO-15	2/17/12	3/12/12				Not initiated
02054		42116	8 W	SV	2/15/12	2/23/12	2/23/12	2/23/12	2/24/12	Complete. Originally assigned as TO 0037, TDF 01073.
02055		42116	9 W	VOA	2/15/12	2/23/12	2/23/12	2/23/12	2/24/12	Complete.

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Task Order 0042, Task 1 - Review and Validate Organic Data
Level of Review: M2

TDF	Site Name	Case	Samples Matrix	Analysis	Assigned	Due	Submitted	Accepted	Report Sent	Status/Comment
										Originally assigned as TO 0037, TDF 01074.
02056	Not Responsive	42116	9 W	Pesticides/Aroclors	2/15/12	2/23/12				In progress. Originally assigned as TO 0037, TDF 01077.
02057		42116	9 W	GRO/DRO	2/15/12	2/24/12				In progress. Originally assigned as TO 0037, TDF 02001A.
02061		42077	6 W	TVOA/SV + Mod.	2/15/12	2/28/12				In progress. Originally assigned as TO 0037, TDF 02006A.
02062		R33754	5 W	Ethanol/Metabolic Acid	2/15/12	2/17/12	2/17/12	2/21/12	2/21/12	Complete. Originally assigned as TO 0037, TDF 02007A.
02066		42106	9 S	VOA	2/15/12	2/29/12				Not initiated. Originally assigned as TO 0037, TDF 02022A.
02067		R33889	16 Air/ 8 Soil Gas	TO-15	2/15/12	2/29/12				Not initiated. Originally assigned as TO 0037, TDF 02023A.
02069		42082	20 W	TVOA + SIM	2/15/12	3/1/12				Not initiated. Originally assigned as TO 0037, TDF 02028A.
02070		42138	17 S	VOA/SV	2/15/12	3/1/12				Not initiated. Originally assigned as TO 0037, TDF 02029A.
02071	Not Responsive	R33866	4 Air	TO-15	2/15/12	3/2/12				Not initiated. Originally assigned

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Task Order 0042, Task 1 - Review and Validate Organic Data
Level of Review: M2

TDF	Site Name	Case	Samples Matrix	Analysis	Assigned	Due	Submitted	Accepted	Report Sent	Status/Comment
	Not Responsive									as TO 0037, TDF 02030A.
02072		42103	9 W	VOA	2/15/12	3/2/12				Not initiated. Originally assigned as TO 0037, TDF 02031A.
02073		42138	18 S	SV	2/15/12	3/5/12				Not initiated. Originally assigned as TO 0037, TDF 02032A.
02074		42138	18 S	SV	2/15/12	3/5/12				Not initiated. Originally assigned as TO 0037, TDF 02034A.
02075		42138	14 S	VOA/SV	2/15/12	3/6/12				Not initiated. Originally assigned as TO 0037, TDF 02035A.
02079		42082	5 W	TVOA + Mod.	2/16/12	3/7/12				Not initiated. Originally assigned as TO 0037, TDF 02039A.
02080		42138	20 W	VOA/SV	2/16/12	3/8/12				Not initiated. Originally assigned as TO 0037, TDF 02040A.
02082	Not Responsive	R33866	19 Air	TO-15	2/16/12	3/12/12				Not initiated
02086		42132	4 W	VOA/SV	2/17/12	3/9/12				Not initiated

Task Order 0042, Task 1 - Review and Validate Organic Data
Level of Review: M3

TDF	Site Name	Case	Samples/ Matrix	Analysis	Assigned	Due	Submitted	Accepted	Report Sent	Status/Comment
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Task Order 0042, Task 1 - Review and Validate Organic Data

Level of Review: M3

TDF	Site Name	Case	Samples/ Matrix	Analysis	Assigned	Due	Submitted	Accepted	Report Sent	Status/Comment
02049	Not Responsive	42096	3 W	TVOA	2/15/12	2/21/12	2/21/12	2/21/12	2/22/12	Complete. Originally assigned as TDF 01068.
02058		42085	3 W	Dioxins/Furans	2/15/12	2/24/12				Not initiated. Originally assigned as TO 0037, TDF 02002A.
02064		42096	25 W	VOA + 1,4-dioxane as SV	2/15/12	2/28/12				Not initiated. Originally assigned as TO 0037, TDF 02015A.
02085	Dimock Residential	Third Party	NA	General TDF for Dimock Project	2/16/12	On going. General TDF. Unique TDF will be assigned for each data package.				
02087	Not Responsive	41968	3 W	VOA/SV/Pesticides	2/17/12	3/13/12				Not initiated
02093		41975	40 S	VOA	2/21/12	3/14/12				Not initiated
02095		41975	18 W, 17 S	VOA	2/23/12	3/14/12				Not initiated
02096	Dimock Residential Groundwater	R33917	20 W	Glycols	2/22/12	2/22/12	2/22/12	2/24/12	2/24/12	Complete
02097	Dimock Residential Groundwater	R33917	20 W	Glycols	2/22/12	2/22/12	2/22/12	2/24/12	2/24/12	Complete
02099	Dimock Residential Groundwater	R33917	12 W	Glycols	2/23/12	2/23/12	2/23/12	2/23/12	2/23/12	Complete
02100	Dimock Residential Groundwater	R33917	20 W	Glycols	2/23/12	2/23/12	2/23/12	2/23/12	2/23/12	Complete
02101	Dimock Residential Groundwater	R33917	19 W	Glycols	2/23/12	2/23/12	2/23/12	2/23/12	2/23/12	Complete
02102	Dimock Residential Groundwater	R33917	20 W	Glycols	2/23/12	2/23/12	2/24/12	2/24/12		Complete
02112	Not Responsive	41975	20 W	VOA/SV/Aroclors	2/24/12	3/13/12				Not initiated

Task Order 0042, Task 1 - Review and Validate Inorganic Data

Level of Review: IM1

TDF	Site Name	Case	Samples/ Matrix	Analysis	Assigned	Due	Submitted	Accepted	Report Sent	Status/Comment
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Task Order 0042, Task 1 - Review and Validate Inorganic Data
Level of Review: IM1

TDF	Site Name	Case	Samples/ Matrix	Analysis	Assigned	Due	Submitted	Accepted	Report Sent	Status/Comment
02044	Not Responsive	42138	18 W	TM	2/15/12	2/22/12	2/17/12	2/17/12	2/21/12	Complete. Originally assigned as TO 0037, TDF 01059.
02046		42116	18 W	TM/DM	2/15/12	2/21/12	2/21/12	2/22/12	2/22/12	Complete. Originally assigned as TO 0037, TDF 01065.
02052		41967	9 W	TM	2/15/12	2/22/12	2/21/12	2/23/12	2/23/12	Complete. Originally assigned as TO 0037, TDF 01071.
02065		42160	2 W	TM	2/16/12	3/8/12				Not initiated
02076		42138	3 W	TM/DM	2/16/12	3/6/12				Not initiated. Originally assigned as TO 0037, TDF 01036.
02077		42138	28 S	TM	2/17/12	3/6/12				Not initiated. Originally assigned as TO 0037, TDF 02037A.
02078		42138	10 S	TM	2/16/12	3/7/12				Not initiated. Originally assigned as TO 0037, TDF 02038A.

Task Order 0035 & 0042, Task 1 - Review and Validate Inorganic Data
Level of Review: IM2

TDF	Site Name	Case	Samples/ Matrix	Analysis	Assigned	Due	Submitted	Accepted	Report Sent	Status/Comment
02019A*	Non-responsive	WRI- 136	41 W	Metals/Anions/TDS/ Alkalinity	2/7/12	2/14/12	2/23/12	2/22/12	2/23/12	Complete. Missing data; requested 2/9/12; received 2/22/12.
02042		42117	12 W	TM	2/16/12	2/23/12				In progress

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Task Order 0035 & 0042, Task 1 - Review and Validate Inorganic Data
Level of Review: IM2

TDF	Site Name	Case	Samples/ Matrix	Analysis	Assigned	Due	Submitted	Accepted	Report Sent	Status/Comment
02060	Not Responsive	42077	4 W	CN/DM	2/15/12	2/27/12				In progress. Originally assigned as TO 0037, TDF 02005A.
02063		42096	26 W	Lead	2/15/12	2/28/12				In progress. Originally assigned as TO 0037, TDF 02011A.
02068		42082	20 W	TM	2/15/12	3/1/12	2/23/12	2/23/12	2/24/12	Complete. Originally assigned as TO 0037, TDF 02027A .

* Task Order 0035

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Task Orders 0035 & 0042, Regional Sample Control Center

Task	Description	Period Covering					Comments
2	Data Tracking	2/20-2/26/12					
	RAS requests received	5					
	DAS requests received	4					
	Estimated number of samples booked	531					
	Data Package Status Report	1					
2	Document Control						
	Samples audited	220					
	SDGs received	11					
	SDGs audited (with billable units)	12					4 zero level DV sent out and 1 biological data package sent to Philadelphia.
	SDGs awaiting audit	27					
	COC received	1					
	Validation reports transmitted	18					
	Audit responses	0					
	Lab responses	1					
	Memos to file	3					
4	Archived	0					

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Task Order 0043, PM2.5 Performance Evaluation Program (PEP) Field Support

TDF	Sites	Set-Up	Site Visit			Trip Report		Comments
			Audit Run Day	Take-Down	Returned to ESC	Due	Completed	
02090	Not Responsive	2/24/12	Pending	Pending	Pending	Pending	Pending	ESAT field auditor contacted Maryland Department of the Environment personnel to gather logistics and arrange meeting times for these site audits. Also, field documentation was prepared.
02090		Pending	Pending	Pending	Pending	Pending	Pending	ESAT field auditor contacted Delaware DN REC personnel to gather logistics and arrange meeting times for these site audits.

Task Order 0043, PM2.5 Performance Evaluation Program (PEP) Field Support

Tasks - Non-Site Specific

Task	Description	Activity/Comments
1	Develop Site Sampling Schedule	A Pb PEP teleconference is tentatively scheduled to occur on 3/6/12.
2	Field Support	None
3	QA/QC Support	On 2/15/12, a BGI Delta Cal standard (serial number 194) was shipped to the EPA RTP facilities in Durham, NC for Round 2 of the 2012 standard re-certification. All parameters for this device (ambient/filter temperature, ambient pressure and flow) will be verified against a traceable standard.
4	Maintenance & repair of vehicle	On 2/23/12, ESAT rented a vehicle from Ryder to perform PM2.5 field work.
	Maintenance & repair of sampling equipment	On 2/21/12, ESAT received BGI units (serial numbers 239 and 380) from the vendor after they completed yearly maintenance. On 2/22/12, the functionality of both units was evaluated by performing leak check, ambient pressure, both ambient and filter temperatures, as well as flow verifications. A 24-hour dry run was also performed on both units. Both units ran successfully.
5	Training	None
6	Monitoring Site Reconnaissance	None

Task Order 0044, Non-PM2.5 Performance Evaluation Program Field Support

TDF	Site	Parameters	Site Visit			Trip Report		Comments
			Conditioning & Warm Up	Audit Performed	Returned to ESC	Due	Completed	

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Task Order 0044, Non-PM2.5 Performance Evaluation Program Field Support

TDF	Site	Parameters	Site Visit			Trip Report		Comments
			Conditioning & Warm Up	Audit Performed	Returned to ESC	Due	Completed	
Planning for the 2012 calendar year is currently underway.								

Task Order 0044, Non-PM2.5 Performance Evaluation Program Field Support
Tasks - Non-Site Specific

Task	Description	Activity/Comments
2	Field Implementation Support	No TTP audits are scheduled for February 2012.
3	QA/QC Support	None
5	Maintenance & repair of vehicle	None
	Maintenance & repair of sampling equipment	None
6	Training	None